



## SUCO 0510/0511 NPT1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0510200091002  
NO, 0 - 2 Bar, NPT 1/4, NBR, M12x1

- Single Switch Point
- Small & Compact
- Ceramic Sensor
- Stainless Steel Housing

### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### GENERAL DATA

Adjustment range max	2 bar
Adjustment range min	0 bar
Electrical connection	M12x1
Process connection	1/4 NPT
Function	Normally open
Output	PNP
Burst pressure	8 bar
Pressure max	4 bar

#### TEMPERATURE & MATERIALS DATA

Temperature of media from	-30 °C
Temperature of media to	100 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305

<b>Material of wetted parts</b>	NBR, Stainless steel 1.4305
<b>Material membrane</b>	NBR

## ADDITIONAL DATA

<b>Supply voltage dc max</b>	32 V DC
<b>Supply voltage dc min</b>	9,6 V DC
<b>Pressure rise</b>	≤ 1 bar/ms
<b>Switching time</b>	< 4 ms
<b>Switching point adjustment range</b>	3...100 % of adjustment range(full scale), set at factory
<b>Weight</b>	80 g

## SAFETY & APPROVALS

<b>IP class</b>	IP67
<b>Hysteresis</b>	2...98% full scale, programmable at factory (maximum tolerance ±1.0% of adjustment range nominal pressure)
<b>Shock resistance</b>	500 m/s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27
<b>Vibration resistance</b>	20g: 4..2000 Hz sine wave, DIN EN 60068-2-6
<b>EMC</b>	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
<b>Accuracy</b>	±0.5 % of adjustment range (Full scale) at room temperature
<b>Long term stability</b>	±0.1 % of adjustment range (full scale) per year
<b>Mechanical life expectancy</b>	5,000,000 pulsations at rise rates to 1 bar/ms nominal pressure
<b>Repeatability</b>	±0.1 % of adjustment range (full scale)



